

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for serial data communication which transmits and receives data in two-way, comprising:

transmitting data and a separate clock signal from a first control unit to a second control unit, at the same time checking a reception confirmation signal of the second control unit by the first control unit, wherein said step of transmitting data from the first control unit further includes the steps of:

confirming whether data was received, starting the data transmission with a data transmission start signal, and receiving the reception confirmation signal from the second control unit;

recognizing the data reception of the second control unit, and reversing the transmission start signal in order to transmit a next data;

transmitting a transmission permission signal which permits the next data transmission to the first control unit by the second control unit; and

feedback-receiving the transmission permission signal;

wherein a size of the transmitted data is adjusted voluntarily in accordance with communication circumstances, and is determined in accordance with a data processing unit of the second control unit, and; and

transmitting data and a separate clock signal from the second control unit to the first control unit, at the same time checking a reception confirmation signal of the first control unit by the second control unit by checking the separate clock signal from the first control unit.

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2-4. (Cancelled)

5. (Currently Amended) The method according to claim 21, wherein a transmission error occurs when the reception confirmation signal is not received.

6. (Currently Amended) The method according to claim 21, wherein a point of input time of the feedback signal which informs of the data reception and processing of the first control unit is set in accordance with a processing rate of the second control unit.

7. (Currently Amended) The method according to claim 21, wherein the transmitting process of the data reception confirmation signal and the data transmission permission signal is performed more than two times.

8-12. (Cancelled)

13. (New) A method for serial data communication which transmits and receives data in two-way, comprising:

transmitting data and a separate clock signal from a first control unit to a second control unit, at the same time checking a reception confirmation signal of the second control unit by the first control unit, wherein said step of transmitting data from the first control unit further includes the steps of:

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confirming whether data was received, starting the data transmission with a data transmission start signal, and receiving the reception confirmation signal from the second control unit;

recognizing the data reception of the second control unit, and reversing the transmission start signal in order to transmit a next data;

transmitting a transmission permission signal which permits the next data transmission to the first control unit by the second control unit; and

feedback-receiving the transmission permission signal;

wherein a point of input time of the feedback signal which informs of the data reception and processing of the first control unit is set in accordance with a processing rate of the second control unit; and

transmitting data and a separate clock signal from the second control unit to the first control unit, at the same time checking a reception confirmation signal of the first control unit by the second control unit by checking the separate clock signal from the first control unit.